

Docket No.: 564462006000/D1530-6US  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Walter CALLEN et al.

Application No.: 10/081,739

Filed: February 21, 2002

For: ENZYMES HAVING ALPHA AMYLASE  
ACTIVITY AND METHODS OF USE  
THEREOF

Confirmation No.: 1077

Art Unit: 1652

Examiner: Manjunath N. Rao, Ph.D.

MS AF  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

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**SECOND AMENDMENT AFTER FINAL ACTION UNDER 37 C.F.R. 1.116**

Dear Sir:

Responsive to the Advisory Action of March 13, 2007 ("the AA"), and further responsive to the final Office Action on the merits mailed December 21, 2006, Applicants respectfully request entry of this second after final amendment and consideration of the remarks set forth herein. A response to the Office Action was initially due March 19, 2007. Applicants herein submit a petition for a two month extension of time to May 21, 2007, under 37 C.F.R. §1.136, with the appropriate fee under 37 C.F.R. §1.17. Accordingly, this response is timely filed.

Reconsideration and allowance of the pending claims, as amended, in light of the remarks presented herein are respectfully requested.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this paper.

**Remarks/Arguments** begin on page 18 of this paper.

The following documents are enclosed herewith: Transmittal letter; Electronic Fee Transmittal; Petition for a two month extension of time.